

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>BKT-004US</b>
INTERNATIONAL APPLICATION NO. PCT/GB03/02376	INTERNATIONAL FILING DATE 30 May 2003	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/516567</b> PRIORITY DATE CLAIMED 31 May 2002
TITLE OF INVENTION <b>IMPROVEMENTS IN OR RELATING TO THE MONITORING OF TWO-PHASED FLUID FLOW</b>		
APPLICANT(S) FOR DO/EO/US <b>Peter Joseph UNSWORTH et al.</b>		

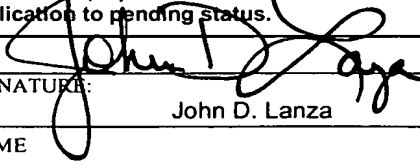
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Fee Transmittal (1 page; in duplicate); Published International Application W/O 03/102511 A2 (35 pages); Published International Application w/Search Report W/O 2003/102511 A3 (4 pages); Certificate of Express Mailing (1 page); Form PTO/SB/61/PCT (2 pages; in duplicate); Return Receipt Postcard

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/516567</b>		INTERNATIONAL APPLICATION NO. PCT/GB03/02376		ATTORNEY'S DOCKET NUMBER BKT-004US	
21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) – (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1110.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$950.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$790.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$750.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				<b>CALCULATIONS</b> PTO USE ONLY	
				\$	950.00
				\$	
<b>CLAIMS</b>	<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>		
Total claims	19-20 =		x	\$	0.00
Independent claims	1-3 =		x	\$	0.00
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+ 300.00	\$	0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	950.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$	950.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$	950.00
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$	950.00
				<b>Amount to be refunded:</b>	\$
				<b>Amount to be charged:</b>	\$
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>12-0080</u> in the amount of \$ <u>950.00</u> c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>12-0080</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: John D. Lanza LAHIVE & COCKFIELD, LLP 28 State Street Boston, Massachusetts 02109 (617) 227-7400 DATED: 1 December 2004 CUSTOMER NUMBER: 00959					
				SIGNATURE:	
				NAME	John D. Lanza
				REGISTRATION NUMBER	40,060

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**FEE TRANSMITTAL  
for FY 2005**

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **2320.00****Complete if Known**

U.S. Application Number	Not Yet Assigned
Int'l Application Number	PCT/GB03/02376
Int'l Filing Date	30 May 2003
First Named Inventor	Peter Joseph UNSWORTH
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	BKT-004US

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit Card ☐ Money Order  
☒ Deposit Account ☐ NoneDeposit  
Account  
Number  
  
Deposit  
Account  
Name

12-0080

Lahive &amp; Cockfield, LLP

The Director is authorized to: (check all that apply)

- ☒ Charge fee(s) indicated below  
☐ Charge fee(s) indicated below, except for the filing fee  
☐ Charge any additional fee(s) or any underpayment of fee(s)  
under 37 CFR 1.16 and 1.17  
☒ Credit any overpayments

To the above-identified deposit account.

☐ Other (please identify):**FEE CALCULATION****1. BASIC FILING FEE**

Fee Description	Fee (\$)	Small Entity	Fee Paid (\$)
		Fee (\$)	
Utility Filing Fee	790	395	
Design Filing Fee	350	175	
Plant Filing Fee	550	275	
Reissue Filing Fee	790	395	
Provisional Filing Fee	160	80	
Basic National Fee 37 C.F.R. 1.482 Fee code 1613	950		950
<b>Subtotal (1) \$</b>			<b>950.00</b>

**FEE CALCULATION** (continued)**2. EXTRA CLAIM FEES**

Fee Description	Fee (\$)	Small Entity
		Fee (\$)
Each claim over 20	18	9
Each independent claim over 3	88	44
Multiple dependent claims	300	150
For Reissues, each claim over 20 and more than in the original patent	18	9
For Reissues, each independent claim more than in the original patent	88	44

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 20 or HP =	x	=	
HP= highest number of total claims paid for, if greater than 20			

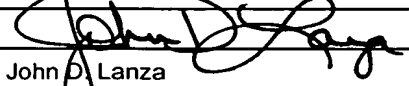
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 3 or HP =	x	=	
HP= highest number of independent claims paid for, if greater than 3			

<b>Multiple Dependent Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
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**Subtotal (2) \$** 0.00**3. OTHER FEES**

Fee Description	Fee (\$)	Small Entity	Fee Paid
		Fee (\$)	
1-month extension of time	110	55	
2-month extension of time	430	215	
3-month extension of time	980	490	
4-month extension of time	1,530	765	
5-month extension of time	2,080	1,040	
Information disclosure stmt. Fee	180	180	
37 CFR 1.17(q) processing fee	50	50	
Non-English specification	130	130	
Notice of Appeal	340	170	
Filing a brief in support of appeal	340	170	
Request for oral hearing	300	150	

Other: Petition to revive unintentionally abandoned  
application - Fee Code 1453 1370.00**Subtotal (3) \$** 2320.00**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	40,060	Telephone	(617) 227-7400
Name (Print/Type)	John D. Lanza			Date	December 1, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 465006065 US,  
in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown  
below.

Dated: December 1, 2004

Signature:  (John D. Lanza)

Application No. (if known): Not Yet Assigned

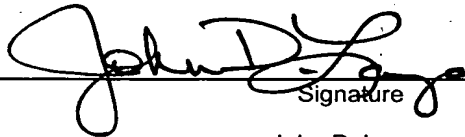
Attorney Docket No.: BKT-004US

**Certificate of Express Mailing Under 37 CFR 1.10**

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Date



Signature

John D. Lanza

Typed or printed name of person signing Certificate

40,060  
Registration Number, if applicable

(617) 227-7400  
Telephone Number

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